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横断山区虎耳草科和蔷薇科新植物

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NEW TAXA OF SAXIFRAGACEAE AND ROSACEAE FROM THE HENGDUAN MOUNTAINS

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Abstract In the present paper, two new species and two new varieties of Saxifragaceae and Rosaceae are described from the Hengduan Mountains. They are *Philadelphus lushuiensis* Ku et S. M. Hwang, *Parnassia lanceolata* Ku var. *oblongipetala* Ku, *P. nubicola* Wall. ex Royle var. *nana* Ku and *Malus muliensis* Ku.

Key words Saxifragaceae; *Philadelphus*; *P. lushuiensis*; *Parnassia*; *P. lanceolata* var. *oblongipetala*; *P. nubicola* var. *nana*; Rosaceae; *Malus*; *M. muliensis*

关键词 虎耳草科;山梅花属;泸水山梅花;梅花草属;长圆瓣梅花草;矮云梅花草; 蔷薇科; 苹果属;木里海棠

1. 泸水山梅花 新种 图 1

Philadelphus lushuiensis Ku et S. M. Hwang, sp. nov.

Species *P. delavayi* Henry affinis, a quo differt foliis subtus dense luteo-brunneo-pubescentibus, apice caudato-acuminatis, margine triangulato-serratis, dentibus apice minute rotundato-apiculatis.

Frutex. ramuli robusti, purpureo-brunnei, glabri. Folia ovata, 5—12 cm longa, 3—6.5 cm lata, apice caudato-acuminata, basi rotundata, margine triangulato-serrata, dentibus apice minute rotundato-apiculatis, supra saturate viridia, sparse pubescentia, subtus pallide viridia, secus nervos dense luteo-brunneo-pubescentia, ceterum sparse luteo-brunneo-pubescentia; petioli c. 5 mm longi, luteo-brunneo-pubescentes. Flores 2.6—2.8 cm diam., 8—12 in cymam racemiformem dispositi; pedicelli c. 5mm longi, glabri; calycis tubus campanulatus, extus glaber; sepala 4, ovata, c. 5 mm longa, c. 4 mm lata, apice breviter acuminata, extus glabra, intus sparse pubescentia, margine dense luteo-brunneo-pubescentia; petala 4, alba, late obovata vel late obovato-oblonga, c. 1.4 cm longa 9 mm lata, apice rotundata, basi late cuneata vel subrotundata; stamina numerosa, 6—8 mm longa, antheris oblongis, c. 1.5 mm longis; ovarium ovoideum; stylus c. 3.5 mm longus, glaber. Fructus ignotus.

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图1 泸水山梅花 *Philadelphus lushuiensis* 1. 花枝 flowering branch;
2. 叶下面之一部分 a part of laef lower surface(王金凤绘)

Yunnan (云南): Lushui (泸水), alt. 2350m, 1981.05.26, Exped. Hengduanshan (横断山调查队) 002 (holotypus, PE)。

灌木。小枝粗壮,紫褐色,无毛。叶片卵形,长 5—12 cm, 宽 3—6.5 cm, 先端尾状渐尖,基部圆形,边缘有三角形锯齿, 齿尖有小圆头,上面深绿色,散生黄褐色短柔毛,下面淡绿色,被黄褐色短柔毛, 沿脉更密; 叶柄长约 5 mm, 被黄褐色短柔毛。花 9—12 朵,聚伞花序呈总状排列; 花直径 2.6—2.8 cm,花梗长约 5 mm, 无毛;萼筒钟状,外面无毛, 萼片 4, 卵形, 长约 5 mm, 宽约 4 mm, 先端短渐尖, 外面无毛,内面疏被短柔毛,边缘有黄褐色睫毛;花瓣 4, 白色, 宽倒卵形或宽倒卵状长圆形, 长约 1.4 cm, 宽约 9 mm, 先端圆, 基部宽楔形或近圆形; 雄蕊多数,长 6—8 mm, 花药长圆形, 长约 1.5 mm; 子房卵圆形,花柱长约 3.5 mm,无毛。果实未见。

本种外部形态和西南山梅花 *P. delavayi* Henry 相近似, 唯本种叶片下面被黄褐色短柔毛, 先端尾状渐尖, 边缘有三角形锯齿, 齿尖有突起小圆头而不同。

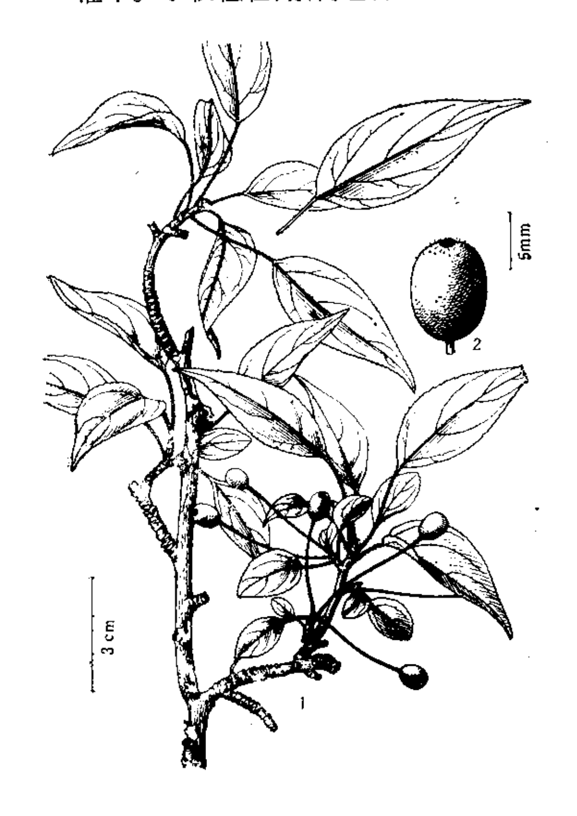


图 2 木里海棠 *Malus muliensis* 1. 果枝 fruiting branch; 2. 果实 fruit. (冀朝祯绘)

2. **长圆瓣梅花草** 新变种

Parnassia lanceolata Ku var. **oblongipetala** Ku, var. nov.

A typo differt petalis oblongis, apice obtusis.

Yunnan (云南) Eryuan (洱源), alt. 3600 m, 1963. 07. 25, Exped. Jinshajiang (金沙江队) 636105 (holotypus, PE)。

本变种与原变种不同为花瓣长圆形,先端钝。

3. **矮云梅花草** 新变种

Parnassia nubicola Wall ex Royle var. **nana** Ku, var. nov.

A typo differt plantis nanis, foliis minoribus c. 2 cm longis, c. 1.5 cm latis, chartaceis.

Yunnan (云南): Dêqên (德钦), alt. 3000—3800 m, 1981. 08. 25, Exped. Hengduanshan (横断山调查队) 3734 (holotypus, PE). **Xizang** (西藏): Zayü (察隅), alt. 4100 m, 1973. 08. 23, Exped. Qinghai-Xizang. (青藏队) 73-1217。

本变种与原变种区别为植株矮小,叶片亦小,长约 2 cm, 宽约 1.5 cm, 质地较薄, 纸质。

4. **木里海棠**　新种　图 2

Malus muliensis Ku, sp. nov. (Sect. Mulus ser. Baccatae (Rehd.) Rehd.)

Affinis *M. hupehensi* (Pamp.) Rehd., sed foliis ovato-lanceolatis vel late lanceolatis, apice caudoto-acuminatis margine obtuse serratis, fructibus oblongis distant.

Arbor decidua, parva, 3—4 m alta. Ramuli teretes atro-cinerei; gemmae purpureo-rubrae, ellipsoideo-ovoideae, apice acutae, squamis aliquot imbricatis, extus vel modo margine pubescentibus. Folia ovato-lanceolata vel lata lanceolata, 4—6 cm longa, 1.5—2.3 cm lata, apice caudato-acaminata, basi late cuneata vel subrotundata, margine obtuse denseque serrul supra saturate viridia, ad nervos pilosa, subtus viridula sparse pubescentia, ad costam dense pubescentia; petioli 2—2.5 cm longi, dense pubescentes; stipulae lanceolatae pubescentes, caducae. Fructus oblongi, 6.5—7.5 mm longi, 4.5—5 mm diam., purpureo-rubri; calycis lobis mox deciduis; pedicelli 3—3.5 cm longi, pilosi vel subglabri.

Sichuan (四川): Muli (木里), alt. 3200m, 1983. 07.19, Exped. Qinghai-Xizang. 12983 (holotypus PE).

小乔木，高 3—4 m。小枝圆柱形，黑灰色；冬芽紫红色，椭圆卵球形，先端急尖，有数枚鳞片，外面被毛或仅鳞片边缘被毛。叶片卵状披针形或宽披针形，长 4—6 cm，宽 1.5—2.3 cm，先端尾状渐尖，基部宽楔形或近圆形，边缘有浅钝锯齿，上面深绿色，无毛，下面淡绿色，散生柔毛，沿中脉较密；叶柄长 2—2.5 cm，密被柔毛；托叶披针形，被柔毛。果实紫红色，长圆形，萼片脱落，长 6.5—7.5 mm，直径 4.5—5 mm；果梗长 3—3.5 cm，被疏柔毛或近无毛。

本种外形和湖北海棠 *M. hupehensis* (Pamp.) Rehd. 相近似，唯本种叶片卵状披针形或宽披针形，先端尾状渐尖，边缘有浅钝锯齿，果实长圆形而不同。